

The diagram shows a circuit 10 connected to a FUEL CELL STACK 14. The stack has a positive terminal (+) and a negative terminal (-). The positive terminal is connected to a node 16, which is also connected to a WORK LOAD 12. The negative terminal is connected to a node 18, which is also connected to the WORK LOAD 12. A power management circuit 20 is connected between nodes 16 and 18. This circuit includes a diode 32, a resistor 38, a capacitor 34, and an inductor 36. A MOSFET 44 is also present, controlled by a gate 26. The circuit is designed to manage the current I_{STACK} and voltage V_{STACK} from the fuel cell stack.